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(54) Title: POLYPEPTIDES FOR MODULATING BINDING OF TRP CHANNEL PROTEINS AND TRP-ASSOCIATED PRO-  
TEINS.

(57) Abstract: This invention relates to inhibitors and modulators of the binding between a transient receptor potential (TRP) channel protein and a TRP-associated binding protein. In particular inhibitors and modulators of the binding between the TRPM7 channel protein and PDZ-domain containing TRP-associated proteins. These modulators and inhibitors are used to control Ca<sup>2+</sup> transport through TRPM7 channel proteins and reduce damage to mammalian cells, including brain and spinal cord cells, after ischemia or traumatic injury.



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